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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/642,204

08/18/2003

Olaf Dudda

Q76228

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12/08/2006

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EXAMINER

EDWARDS JR, TIMOTHY

ART UNIT

PAPER NUMBER

2612

DATE MAILED: 12/08/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

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**Office Action Summary**

Application No.

10/642,204

Applicant(s)

DUDDA ET AL.

Examiner

Timothy Edwards, Jr.

Art Unit

2612

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 23 November 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-4 and 13 is/are rejected.
- 7) ☒ Claim(s) 5-12 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                  | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) The invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-4 are rejected under 35 U.S.C. 102(b) as being anticipated by Belk et al '260.

Considering claim 1, Belk discloses a measurement system comprising, a) an analyzer unit (see col 6, lines 34-41); b) at least one replaceable sensor (see col 8, lines 6-21); c) each sensor comprise a transponder in which sensor-specific data is stored (see col 5, line 53-56 and col 8, lines 19-30); d) analyzer unit comprises an antenna for wireless readout of the data stored in the transponder (see col 6, lines 15-25) and for wireless transmission of power to operate the transponder (see col 6, lines 53-66); e) measurement signal of the sensor is transmitted by wireless transmission to the analyzer unit (see col 7, lines 30-40).

Considering claim 2, Belk discloses the limitation of this claim (see col 7, lines 30-40 and fig 2A).

Considering claim 4, Belk discloses the limitation of this claim (see col 6, lines 53-56).

Considering claim 13, Belk discloses a) an analyzer unit (see fig 2, item 22); b) at least two sensors (see fig 2, item 14 and fig 5, item 30); c) each sensor comprise a transponder in which sensor-specific data is stored (see col 5, lines 53-55, col 6, lines 45-47 and col 8, lines 6-18); d) the analyzer unit wirelessly readouts data stored in each transponder and transmit power required to operate the transponder (see col 6, lines 15-25 and lines 62-67); e) the measurements of the sensors are transmitted by wireless transmission via the transponder antenna to the analyzer unit (see col 7, lines 30-40); f) identification software for differentiating measurement signals of the sensors (see col 6, lines 47-52); g) analyzer unit analyzing the measurement signal (see col 7, lines 50-53).

***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 3, are rejected under 35 U.S.C. 103(a) as being unpatentable over Belk.

Considering claim 3, Belk discloses an electronic circuit for converting the measurements into a digital value (see col 7, lines 12-28); except Belk does not specifically recite transmitting this digital value to a memory in the transponder. Belk teaches a transponder having a memory (see fig 2, item 26). One of ordinary skill in the

art readily recognize in a parameter sensing environment the data maybe stored and reported automatically after each measurement, stored and reported periodically if polled, queried or autonomously. Thus using the memory of the transponder for storage of data. Therefore, it would have been obvious to one of ordinary skill in the art to modify the memory means of the Belk system to store the sensed data and report it at a time periodically, polled, queried or autonomously because Belk discloses a transponder comprising a memory.

***Allowable Subject Matter***

5. Claim 5 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Claims 6-12 are also objected to because they depend from claim 5.

6. The following is a statement of reasons for the indication of allowable subject matter: in the environment of a measurement system the closes prior art Belk fails to teach or suggest the transponder of the sensor is accommodate in a connecting unit the connecting unit is configured to be secured to a corresponding mating component of the analyzer unit, and the antenna of the analyzer unit is situated in a vicinity of the mating component

Any inquiry concerning this communication should be directed to Examiner Timothy Edwards, Jr. at telephone number (571) 272-3067. The examiner can normally be reached on Monday-Thursday, 8:00 a.m.-6:00 p.m. The examiner cannot be reached on Fridays.

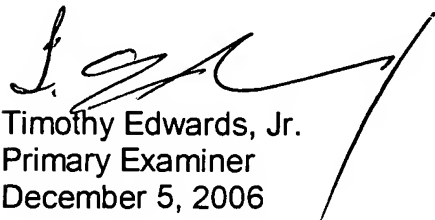
If attempt to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wendy Garber, can be reached at (571) 272-7308.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (571) 272-4700, Mon-Fri., 8:30 a.m.-5:00 p.m.

Any response to this action should be fax to:

(571) 273-8300 (for formal communications intended for entry).

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov> or contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Timothy Edwards, Jr.  
Primary Examiner  
December 5, 2006